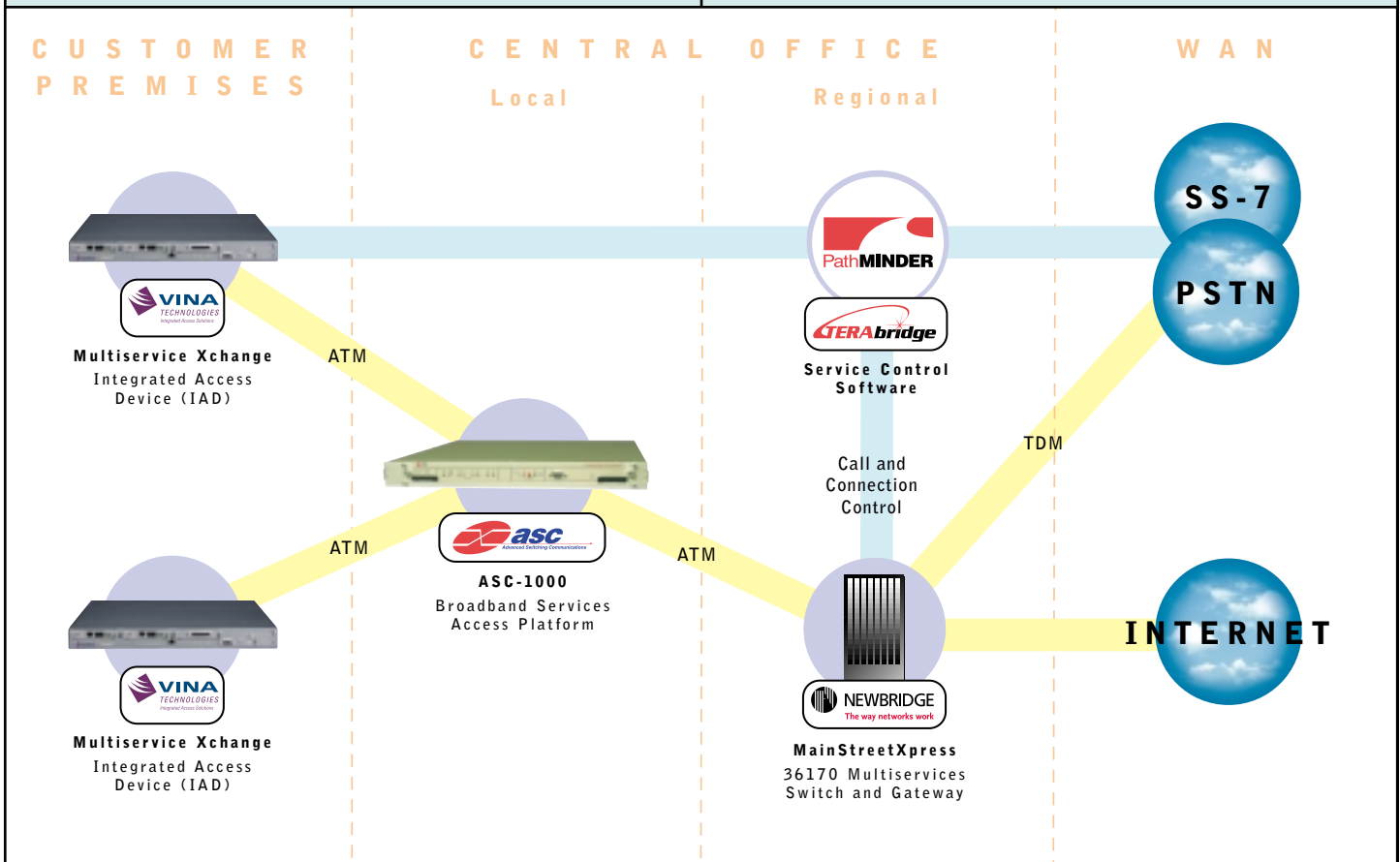


The Broadband Central Office

Complete Next Gen Telco Network—In This Booth!

- | | |
|--|---|
| • Multi-vendor Next Gen Telco demonstration | • Eliminates legacy equipment |
| • Multiple services delivered over unified network | • Eliminates overlay networks |
| • Complete local carrier network solution | • Voice, data, and video services capable |
| • Dramatically reduces costs | • Available now |



The Broadband Central Office demonstration shows the future for local services providers—more value-added services delivered on a unified network at lower cost.

Sponsored by TMC Labs and partners and the ATM Local Telephony Alliance (ALTA), and using technologies from multiple vendors, the network delivers voice, data, and video services over a unified network—eliminating expensive overlay networks and legacy equipment such as the Class 5 switch.

The network can provide:

- On-net and off-net calls
- Incoming calls from the PSTN
- Special-handling calls such as 411 and incoming 800
- Internet services
- Virtual Private Network (VPN) services with service guarantees
- Transparent LAN extension services

The Demonstration Network and Equipment

At the customer sites—an *Integrated Access Device* (IAD) connects directly to the customer's LAN and telephone equipment to deliver voice, video, data, and Internet services. Unlike traditional network, it carries multiple services' traffic over a single T1 ATM connection to the service provider network.

The IAD is the Multiservice Xchange™ (MX) from VINA Technologies.

At the local central offices—a *broadband services access platform* aggregates multiservice traffic from multiple customers to a copper or fiber connection to the switch, and provides over subscription, QoS and protocol interworking. The access platform is located in Central Offices or Multi-Tenant Offices (MTO).

ASC™ 1000 from Advanced Switching Communications

is the access platform.

At the regional central offices—a *multiservice switch*, augmented with *service control software*, directs traffic from all customers—to each other, to the PSTN, or to the Internet or other data network. The multiservice switch handles all customer traffic as ATM, converts traffic to and from the PSTN and Internet to appropriate formats. The service control software runs on an attached server; providing signaling and call management to and from the PSTN, as well as call records for billing and administration, turning the multi-service switch into a “virtual Class 5.”

The multiservice switch is the MainStreetXpress™ 36170 Multiservices Switch from Newbridge Networks Corp.

The service control software is from TeraBridge Technologies' PathMinder™ software suite.

For More Information



Advanced Switching Communications

www.asc1.com



NEWBRIDGE
The way networks work

Newbridge Networks

www.newbridge.com



TeraBridge Technologies

www.terabridge.com



VINA Technologies

www.vina-tech.com

The Sponsors



ALTA, the ATM Local Telephony Alliance (ALTA) is an industry forum of hardware manufacturers and service providers formed to accelerate the development and deployment of next-generation ATM-based local exchange carrier services. ALTA is committed to the development of cost-effective, fully integrated local exchange services using ATM. www.altainfo.org



TMC Labs is the product review group for TMC™ Publications, which produces C@LL CENTER Solutions™, INTERNET TELEPHONY®, and CTI® magazines.

www.TMCnet.com